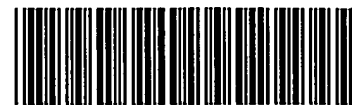


RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/76,481
Source: 1 FWO
Date Processed by STIC: 10/24/05

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RAW SEQUENCE LISTING

DATE: 10/24/2005

PATENT APPLICATION: US/10/761,481

TIME: 09:44:35

Input Set : A:\546-280.ST25.txt

Output Set: N:\CRF4\10242005\J761481.raw

3 <110> APPLICANT: Mehta, Nozer M
 4 Stern, William
 5 Gilligan, James P.
 7 <120> TITLE OF INVENTION: IMPROVED ORAL DELIVERY OF PEPTIDES
 9 <130> FILE REFERENCE: P/546-280
 11 <140> CURRENT APPLICATION NUMBER: 10/761,481
 12 <141> CURRENT FILING DATE: 2004-01-20
 14 <160> NUMBER OF SEQ ID NOS: 23
 16 <170> SOFTWARE: PatentIn version 3.3
 18 <210> SEQ ID NO: 1
 19 <211> LENGTH: 33
 20 <212> TYPE: PRT
 21 <213> ORGANISM: Homo sapiens
 23 <400> SEQUENCE: 1
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 26 1 5 10 15
 29 Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val His
 30 20 25 30
 33 Asn
 37 <210> SEQ ID NO: 2
 38 <211> LENGTH: 31
 39 <212> TYPE: PRT
 40 <213> ORGANISM: Homo sapiens
 42 <400> SEQUENCE: 2
 44 Ser Val Ser Glu Ile Gln Leu Met His Asn Leu Gly Lys His Leu Asn
 45 1 5 10 15
 48 Ser Met Glu Arg Val Glu Trp Leu Arg Lys Lys Leu Gln Asp Val
 49 20 25 30
 52 <210> SEQ ID NO: 3
 53 <211> LENGTH: 26
 54 <212> TYPE: PRT
 55 <213> ORGANISM: Kaposi's sarcoma-associated herpesvirus
 57 <400> SEQUENCE: 3
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 60 1 5 10 15
 63 Val Asn Arg Lys Arg Asn Lys Leu Met Pro
 64 20 25
 67 <210> SEQ ID NO: 4
 68 <211> LENGTH: 11
 69 <212> TYPE: PRT
 70 <213> ORGANISM: Human immunodeficiency virus
 72 <400> SEQUENCE: 4
 74 Tyr Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg

RAW SEQUENCE LISTING

DATE: 10/24/2005

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TIME: 09:44:35

Input Set : A:\546-280.ST25.txt

Output Set: N:\CRF4\10242005\J761481.raw

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75 1          5          10
78 <210> SEQ ID NO: 5
79 <211> LENGTH: 15
80 <212> TYPE: PRT
81 <213> ORGANISM: Homo sapiens
83 <400> SEQUENCE: 5
85 Val Thr Val Leu Ala Leu Gly Ala Leu Ala Gly Val Gly Val Gly
86 1          5          10          15
89 <210> SEQ ID NO: 6
90 <211> LENGTH: 12
91 <212> TYPE: PRT
92 <213> ORGANISM: Kaposi's sarcoma-associated herpesvirus
94 <400> SEQUENCE: 6
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97 1          5          10
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101 <211> LENGTH: 5
102 <212> TYPE: PRT
103 <213> ORGANISM: Unknown
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110 <221> NAME/KEY: misc_feature
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112 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
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117 1          5
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122 <212> TYPE: PRT
123 <213> ORGANISM: Unknown
125 <220> FEATURE:
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131 <222> LOCATION: (2)..(3)
132 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
134 <220> FEATURE:
135 <221> NAME/KEY: misc_feature
136 <222> LOCATION: (5)..(5)
137 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
139 <400> SEQUENCE: 8
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142 1          5
145 <210> SEQ ID NO: 9
146 <211> LENGTH: 5
147 <212> TYPE: PRT
148 <213> ORGANISM: Unknown

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RAW SEQUENCE LISTING

DATE: 10/24/2005

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Input Set : A:\546-280.ST25.txt

Output Set: N:\CRF4\10242005\J761481.raw

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150 <220> FEATURE:
151 <223> OTHER INFORMATION: Target fragment of proprotein convertase 1
154 <220> FEATURE:
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156 <222> LOCATION: (2)..(3)
157 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
159 <220> FEATURE:
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161 <222> LOCATION: (5)..(5)
162 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
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167 1 5
170 <210> SEQ ID NO: 10
171 <211> LENGTH: 5
172 <212> TYPE: PRT
173 <213> ORGANISM: Unknown
175 <220> FEATURE:
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181 <222> LOCATION: (2)..(3)
182 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
184 <220> FEATURE:
185 <221> NAME/KEY: misc_feature
186 <222> LOCATION: (5)..(5)
187 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
189 <400> SEQUENCE: 10
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192 1 5
195 <210> SEQ ID NO: 11
196 <211> LENGTH: 6
197 <212> TYPE: PRT
198 <213> ORGANISM: Unknown
200 <220> FEATURE:
201 <223> OTHER INFORMATION: Target fragment of proprotein convertase 4
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205 <221> NAME/KEY: misc_feature
206 <222> LOCATION: (6)..(6)
207 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
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215 <210> SEQ ID NO: 12
216 <211> LENGTH: 5
217 <212> TYPE: PRT
218 <213> ORGANISM: Unknown
220 <220> FEATURE:
221 <223> OTHER INFORMATION: Target fragment of proprotein convertase 4 PAGE 4

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RAW SEQUENCE LISTING

DATE: 10/24/2005

PATENT APPLICATION: US/10/761,481

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Input Set : A:\546-280.ST25.txt

Output Set: N:\CRF4\10242005\J761481.raw

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224 <220> FEATURE:
225 <221> NAME/KEY: misc_feature
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227 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
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232 1 5
235 <210> SEQ ID NO: 13
236 <211> LENGTH: 5
237 <212> TYPE: PRT
238 <213> ORGANISM: Unknown
240 <220> FEATURE:
241 <223> OTHER INFORMATION: Target fragment of proprotein convertase 4 PACE 4
244 <220> FEATURE:
245 <221> NAME/KEY: misc_feature
246 <222> LOCATION: (5)..(5)
247 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
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252 1 5
255 <210> SEQ ID NO: 14
256 <211> LENGTH: 4
257 <212> TYPE: PRT
258 <213> ORGANISM: Unknown
260 <220> FEATURE:
261 <223> OTHER INFORMATION: Target fragment of Endothelin cleaving enzyme followed by
262 dipeptidyl-peptidase IV
265 <220> FEATURE:
266 <221> NAME/KEY: misc_feature
267 <222> LOCATION: (4)..(4)
268 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
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273 1
276 <210> SEQ ID NO: 15
277 <211> LENGTH: 4
278 <212> TYPE: PRT
279 <213> ORGANISM: Unknown
281 <220> FEATURE:
282 <223> OTHER INFORMATION: Target fragment of Endothelin cleaving enzyme followed by
283 dipeptidyl-peptidase IV
286 <220> FEATURE:
287 <221> NAME/KEY: misc_feature
288 <222> LOCATION: (4)..(4)
289 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
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294 1
297 <210> SEQ ID NO: 16

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RAW SEQUENCE LISTING

DATE: 10/24/2005

PATENT APPLICATION: US/10/761,481

TIME: 09:44:36

Input Set : A:\546-280.ST25.txt

Output Set: N:\CRF4\10242005\J761481.raw

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298 <211> LENGTH: 4
299 <212> TYPE: PRT
300 <213> ORGANISM: Unknown
302 <220> FEATURE:
303 <223> OTHER INFORMATION: Target fragment of Neprilysin followed by dipeptidyl-
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306 <220> FEATURE:
307 <221> NAME/KEY: misc_feature
308 <222> LOCATION: (1)..(1)
309 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
311 <220> FEATURE:
312 <221> NAME/KEY: misc_feature
313 <222> LOCATION: (3)..(4)
314 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
316 <400> SEQUENCE: 16
W--> 318 Xaa Phe Xaa Xaa
319 1
322 <210> SEQ ID NO: 17
323 <211> LENGTH: 4
324 <212> TYPE: PRT
325 <213> ORGANISM: Unknown
327 <220> FEATURE:
328 <223> OTHER INFORMATION: Target fragment of Neprilysin followed by dipeptidyl-
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331 <220> FEATURE:
332 <221> NAME/KEY: misc_feature
333 <222> LOCATION: (1)..(1)
334 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
336 <220> FEATURE:
337 <221> NAME/KEY: misc_feature
338 <222> LOCATION: (3)..(4)
339 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
341 <400> SEQUENCE: 17
W--> 343 Xaa Tyr Xaa Xaa
344 1
347 <210> SEQ ID NO: 18
348 <211> LENGTH: 4
349 <212> TYPE: PRT
350 <213> ORGANISM: Unknown
352 <220> FEATURE:
353 <223> OTHER INFORMATION: Target fragment of Neprilysin followed by dipeptidyl-
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356 <220> FEATURE:
357 <221> NAME/KEY: misc_feature
358 <222> LOCATION: (1)..(1)
359 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
361 <220> FEATURE:
362 <221> NAME/KEY: misc_feature
363 <222> LOCATION: (3)..(4)
364 <223> OTHER INFORMATION: Xaa can be any naturally occurring amino acid
366 <400> SEQUENCE: 18
W--> 368 Xaa Trp Xaa Xaa

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RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/761,481

DATE: 10/24/2005
TIME: 09:44:37

Input Set : A:\546-280.ST25.txt
Output Set: N:\CRF4\10242005\J761481.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:7; Xaa Pos. 5 ✓
Seq#:8; Xaa Pos. ~~2,3,5~~ ✓
Seq#:9; Xaa Pos. ~~2,3,5~~ ✓
Seq#:10; Xaa Pos. ~~2,3,5~~ ✓
Seq#:11; Xaa Pos. ~~6~~ ✓
Seq#:12; Xaa Pos. 5 ✓
Seq#:13; Xaa Pos. 5 ✓
Seq#:14; Xaa Pos. 4 ✓
Seq#:15; Xaa Pos. 4 ✓
Seq#:16; Xaa Pos. ~~1,3,4~~ ✓
Seq#:17; Xaa Pos. ~~1,3,4~~ ✓
Seq#:18; Xaa Pos. ~~1,3,4~~ ✓
Seq#:20; Xaa Pos. 2,3,4,5,7
Seq#:21; Xaa Pos. 2,3,4,5,6,7,9
Seq#:22; Xaa Pos. 2,3,4,5,7
Seq#:23; Xaa Pos. 2,3,4,5,6,7,9

VERIFICATION SUMMARY

DATE: 10/24/2005

PATENT APPLICATION: US/10/761,481

TIME: 09:44:37

Input Set : A:\546-280.ST25.txt

Output Set: N:\CRF4\10242005\J761481.raw

L:116 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
L:141 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
L:166 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
L:191 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
L:211 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
L:231 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
L:251 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
L:272 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:14 after pos.:0
L:293 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15 after pos.:0
L:318 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16 after pos.:0
L:343 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:17 after pos.:0
L:368 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:18 after pos.:0
L:407 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20 after pos.:0
L:432 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21 after pos.:0
L:457 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:22 after pos.:0
L:482 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23 after pos.:0